

Converting Colors

$Y_{xy}(33.2162, 0.4591, 0.4716)$

Have a look what the booklet for
Yxy(33.2162, 0.4591, 0.4716)
contains.

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Color

Yxy(33.4168, 0.4588, 0.4718)

Conversions

Conversions Part 1

Format	Color
Hex	BE9806
RGB	190, 152, 6
RGB Percent	75%, 60%, 2%
CMY	0.2549, 0.4039, 0.9756
CMYK	0.00, 0.20, 0.97, 0.25
HSL	48°, 94%, 38%
HSV	48°, 97%, 75%
XYZ	32.4960, 33.4168, 4.9155
YIQ	146.7180, 69.5140, -37.3500

Conversions

Conversions Part 2

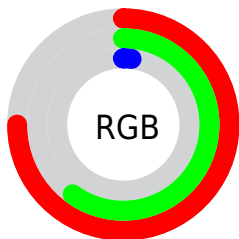
Format	Color
RYB	54, 190, 6
Decimal	12490758
CIELab	64.50, 2.65, 67.57
CIELCh	64, 67.626, 87.751
Yxy	33.4168, 0.4588, 0.4718
Android (android.graphics.Color)	4290680838 (0xFFBE9806)
YUV	146.7180, -69.3740, 37.9583
Hunter-Lab	57.8073, -0.8199, 35.4235

Details

The Yxy color **33.4168, 0.4588, 0.4718** is a dark color, and the websafe version is hex **CC9900**. A complement of this color would be **5.5740, 0.1579, 0.0856**, and the grayscale version is **29.3362, 0.3127, 0.3290**.

A 20% lighter version of the original color is **64.9884, 0.4365, 0.4517**, and **14.4083, 0.4647, 0.4693** is the 20% darker color. If you saturate the color by 10%, you get **32.9900, 0.4614, 0.4719**, and if you desaturate by 10%, it is **34.7720, 0.4502, 0.4702**.

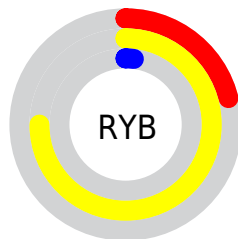
Distribution



Red (75%)

Green (60%)

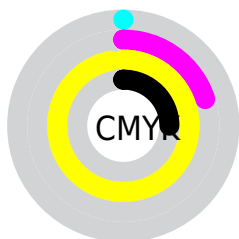
Blue (2%)



Red (21%)

Yellow (75%)

Blue (2%)

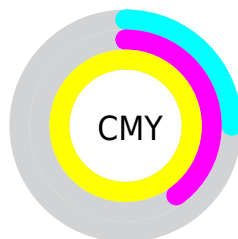


Cyan (0%)

Magenta (20%)

Yellow (97%)

Black (25%)



Cyan (25%)


Magenta (40%)


Yellow (98%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 33.4168, 0.4588, 0.4718 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the Yxy color 33.4168, 0.4588, 0.4718 by changing the saturation by 10% instead.


 33.4168, 0.4588,
0.4718


 33.4168, 0.4588,
0.4718


317.5237, 0.3909,
0.4068


 22.4459, 0.4711,
0.4829


 65.0257, 0.4370,
0.4514

 14.1849, 0.4839,
0.4939


 86.4325, 0.4278,
0.4427

 8.2494, 0.4964,
0.5036


 112.0868, 0.4197,
0.4349

 4.2549, 0.4986,
0.5014

 142.3729, 0.4125,
0.4279

 1.8172, 0.5023,
0.4977

 177.6753, 0.4061,
0.4217

 0.4978, 0.5194,
0.4806

 218.3783, 0.4005,

 0.0000, 0.0000,

0.4162

0.0000

264.8663, 0.3954,
0.4113

33.4168, 0.4588,
0.4718

33.4168, 0.4588,
0.4718

32.9900, 0.4614,
0.4719

34.7720, 0.4502,
0.4702

36.2231, 0.4387,
0.4641

37.7826, 0.4246,
0.4535

39.4588, 0.4085,
0.4390

41.2590, 0.3912,
0.4217

■ 43.1895, 0.3734,
0.4024

■ 45.2560, 0.3558,
0.3822

■ 47.4640, 0.3388,
0.3619

■ 49.8185, 0.3228,
0.3419

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



33.4168, 0.5115, 0.4000



33.4168, 0.4588, 0.4718



33.4168, 0.3731, 0.5222

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



33.4168, 0.4588, 0.4718



33.4168, 0.1517, 0.2817



33.4168, 0.3210, 0.2137

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



33.4168, 0.4588, 0.4718



5.5740, 0.1579, 0.0856

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



33.4168, 0.2273, 0.1843



33.4168, 0.4588, 0.4718



33.4168, 0.1439, 0.2105

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



33.4168, 0.4588, 0.4718



33.4168, 0.1966, 0.3962



33.4168, 0.1686, 0.1816



33.4168, 0.4296, 0.2650

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



33.4168, 0.4588, 0.4718



33.4168, 0.3091, 0.5191



33.4168, 0.1686, 0.1816



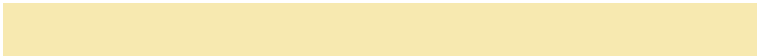
33.4168, 0.2864, 0.2011

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



33.4184, 0.4588, 0.4718



80.9656, 0.3606, 0.3878



11.2787, 0.5940, 0.3074



17.4237, 0.3682, 0.3965



97.7402, 0.3127, 0.3290



20.4902, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



33.4184, 0.4588, 0.4718



59.4185, 0.4622, 0.4712



42.2342, 0.3709, 0.5418



10.7765, 0.3269, 0.3471



22.0533, 0.4607, 0.4724



0.9498, 0.4490, 0.4817

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



5.5740, 0.1579, 0.0856



9.1158, 0.1551, 0.0784



4.7605, 0.1713, 0.0733



9.5364, 0.2984, 0.3102



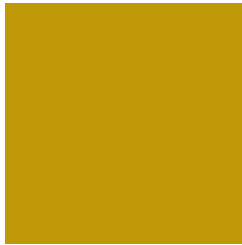
3.5420, 0.1562, 0.0824



0.2341, 0.1686, 0.1271

Previews

White Background



This preview shows how the Yxy color 33.4168, 0.4588, 0.4718 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the Yxy color 33.4168, 0.4588, 0.4718 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 33.4168, 0.4588, 0.4718

Background



This preview shows how black text looks on a background with the Yxy color 33.4168, 0.4588, 0.4718.

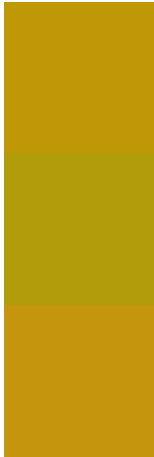


This preview shows how white text looks on a background with the Yxy color 33.4168, 0.4588, 0.4718.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

33.4168, 0.4588, 0.4718

Protanopia

33.4830, 0.4391, 0.4861

Deuteranopia

33.5324, 0.4690, 0.4610



Tritanopia

33.3225, 0.3633, 0.3146

Trichromacy



Original Color

33.4168, 0.4588, 0.4718

Protanomaly

33.4075, 0.4467, 0.4804

Deuteranomaly

33.4390, 0.4654, 0.4650

Tritanomaly

32.7538, 0.4156, 0.3903

Monochromacy



Original Color

33.4168, 0.4588, 0.4718

Achromatopsia

29.1771, 0.3127, 0.3290

Achromatomaly

30.1260, 0.3805, 0.4099

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.4168, 0.4588, 0.4718 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(190, 152, 6)` looks like.

```
.text, #text, p{  
    color:rgb(190, 152, 6)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(190, 152, 6) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(190, 152, 6) }
```

Border

The CSS property to change the border of an element to Yxy 33.4168, 0.4588, 0.4718 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(190, 152, 6) }
```

If only the border color should be changed use the property border-color.

```
.border{ border-color:rgb(190, 152, 6) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel rgb(190, 152, 6) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(190, 152, 6); -webkit-box-  
shadow:4px 4px 4px 4px rgb(190, 152, 6);  
box-shadow:4px 4px 4px 4px rgb(190, 152,  
6) }
```


Background

The CSS property to change the background color of an element to Yxy 33.4168, 0.4588, 0.4718 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(190, 152, 6) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(190,  
152, 6) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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